Basic Information

Catalog Number: 14060-1-AP

GenBank Accession Number:

Recommended Dilutions:

Size: 30 μg/150 μl

Source: Rabbit

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG5092

GenID (NCBI): 5071

Observed MW: 52 kDa

Full Name: Parkinson disease (autosomal recessive, juvenile) 2, parkin

Recommended Dilutions:

1:500-1:2000 WB

1:100-1:400 IHC

1:50-1:500 IF

Basic Information

Size: 30 μg/150 μl

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG5092

Full Name: Parkinson disease (autosomal recessive, juvenile) 2, parkin

Calculated MW: 52 kDa

Observed MW: 52 kDa

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, rat

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:100-1:400

IF: 1:50-1:500

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, rat

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:100-1:400

IF: 1:50-1:500

Positive Controls:

WB:

C6 cells; SH-SY5Y cells, PC-12 cells, mouse brain tissue

IHC:

mouse brain tissue; mouse kidney tissue

IF:

SH-SY5Y cells

Background Information

Parkin, a RING-type E3 ubiquitin-protein ligase, is involved in the ubiquitination pathway and contributes protection from neurotoxicity induced by unfolded protein stresses. Its ubiquitin-protein ligase activity promotes the degradation of a variety of proteins including itself. Mutations in Parkin are implicated in the pathogenesis of autosomal recessive familial Parkinson's disease. It has 8 isoforms produced by alternative splicing.

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Notable Publications

Author

Pubmed ID

Journal

Application

Xudong Yao

30273654

Pharmacol Res

WB

Chunle Zhao

31551778

Front Pharmacol

WB

Wei Wang

29091860

Biomed Pharmacother

WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

E: proteintech@ptglab.com

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

www.ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
C6 cells were subjected to SDS PAGE followed by western blot with 14060-1-AP (PARK2/Parkin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14060-1-AP (PARK2 antibody at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer).

Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using 14060-1-AP (PARK2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).